

SKYPLETE GE300

PETG

SK Chemicals

Product Texts

SK Chemicals has developed SKYPLETE GE300 which offers excellent properties for 3D printing filaments.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Yield stress	49	MPa	ISO 527
Yield strain	4.1	%	ISO 527
Stress at break	23	MPa	ISO 527
Strain at break	40	%	ISO 527
Flexural modulus, 23°C	1890	MPa	ISO 178
Flexural strength	67	MPa	ISO 178
Izod notched impact strength, +23°C	7	kJ/m ²	ISO 180/1A
ASTM Data			
Rockwell Hardness	R 105	-	ASTM D 785

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	62	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	72	°C	ISO 75-1/-2

Optical properties

	Value	Unit	Test Standard
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003

Other properties

	Value	Unit	Test Standard
Density	1270	kg/m ³	ASTM D 792

Characteristics**Processing**

Additive Manufacturing

Applications

Filament for 3D Printing

Special Characteristics

Transparent

Regional Availability

North America, Europe, Asia Pacific, South and Central America